<u>Amendments to the Claims:</u> This listing of claims will replace all prior versions, and listings, of claims in the application

Listing of Claims:

1. (Original) A method of making a fiber, the method comprising:

providing a first component comprising water, wherein the first component has a first evaporation rate;

providing a second component comprising a polymer dissolved in a solvent, wherein the second component has a second evaporation rate, provided that the second evaporation rate is higher than the first evaporation rate;

combining the first component, the second component to make an emulsion; applying a force to the emulsion; and

extruding the emulsion to make the fiber, wherein the fiber has an outer surface, an internal cavity and a diameter of at most 10 micrometers.

- 2. (Original) The method of claim 1, wherein the first component comprises at most 20 vol. % of the emulsion.
- 3. (Original) The method of claim I, wherein the first component comprises from about 5 to about 20 vol. % of the emulsion.
- 4. (Original) The method of claim 1, wherein the first component comprises from about 2 to 5 vol. % of the emulsion.
- 5. (Original) The method of claim 1, wherein the second component comprises at least 80% of the emulsion.
- 6. (Original) The method of claim 1, wherein the first component comprises glycerol and poly(vinyl alcohol).
- 7. (Original) The method of claim 1, wherein the polymer is a member selected from the group consisting of poly(styrene), poly(urethane), poly(lactic acid), poly(glycolic acid), poly(ester), poly(alpha-hydroxy acid), poly(E-caprolactone), poly(dioxanone),

poly(orthoester), poly(ether-ester), poly(lactone), poly(carbonate), poly(phosphazene), poly(phosphanate), poly(ether), poly(anhydride), mixtures thereof and copolymers thereof.

- 8. (Original) The method of claim 1, wherein the solvent is a member selected from the group consisting of methylene chloride, chloroform, ether, hexane, pentane, petroleum ether, cresol, dichloroethane, ethyl acetate, methyl ethyl ketone, dioxane, propylene carbonate, and butyl acetate.
- 9. (Original) The method of claim 1, further providing a third component, said third component is being a member selected from the group consisting of a biomolecule, a cell, a particle, and a gel.
- 10. (Original) The method of claim 9, wherein the biomolecule is a member selected from the group consisting of a bioactive polypeptide, a polynucleotide coding for the bioactive polypeptide, a cell regulatory small molecule, a peptide, a protein, an oligonucleotide, a nucleic acid, a poly(saccharide), an adenoviral vector, a gene transfection vector, a drug, and a drug delivering agent.
- 11. (Original) The method of claim 9, wherein the cell is a member selected from the group consisting of chondroblast, chondrocyte, fibroblast, an endothelial cell, osteoblast, osteocyte, an epithelial cell, an epidermal cell, a mesenchymal cell, a hemopoietic cell, an embryoid body, a stem cell, and dorsal root ganglia.
- 12. (Original) The method of claim 9, wherein the particle is a colloidal particle or a solid particle.
- 13. (Original) The method of claim 12, wherein the colloidal particle has a diameter of about 3nm to about 10 micrometers and said colloidal nanoparticle is a member selected from the group consisting of a polymer, an oxide, a nitride, a carbide, calcium silicate, calcium phosphate, calcium carbonate, a carbonaceous material, a metal, and a semiconductor.
- 14. (Original) The method of claim 12, wherein the solid particle has a diameter of about 3nm to about 10 micrometers and said solid nanoparticle is a member selected from the group consisting of a polymer, an oxide, a nitride, a carbide, calcium silicate, calcium phosphate, calcium carbonate, a carbonaceous material, a metal, and a semiconductor.

- 15. (Original) The method of claim 9, wherein the surfactant is a member selected from the group consisting of PLURONIC, polyvinyl alcohol, poly(sorbate), oleyl alcohol, glycerol ester, sorbitol, carboxy methoxy cellulose, sodum dodecyl sulfonate, sodum dodecyl benzene sulfonate, oleic acid, albumin, ova-albumin, lecithin, natural lipids, and synthetic lipids.
- 16. (Original) The method of claim 1, wherein the emulsion comprises water, poly(lactic acid), poly(vinyl alcohol) and optionally a silicone oxide nanoparticle comprising a biomolecule.
- 17. (Currently Amended) The method of claim 1, wherein the <u>firstfist</u> component and the second component are provided at a ratio, wherein the ratio is adapted to affect morphology of the fiber.
- 18. (Original) The method of claim 17, wherein the morphology is a member selected from the group consisting of flat fiber, round fiber, porous fiber and a combination thereof.
 - 19. (Original) A fiber manufactured by the method of claim 1.
- 20. (Original) The fiber of claim 19, wherein the emulsion comprises water, poly(lactic acid), and optionally a nanoparticle comprising silicone oxide and the biomolecule.
- 21. (Currently Amended) The fiber of claim <u>1921</u>, wherein the diameter is about 3 nm to 10 micrometers.
- 22. (Original) In a method of making a fiber by electrospinning wherein the fiber is formed by extruding a fiber-forming medium from a vessel through an orifice under influence of a force, the improvement wherein the fiber-forming medium comprises an emulsion including (1) a first component comprising water, the first component is provided in an amount of at most 20 vol. %, and (2) a second component comprising a polymer, the second component is provided in an amount of at least 80 vol. %, on a condition that the first component has a first evaporation rate and the second component has a second evaporation rate and wherein the second evaporation rate is higher than the first evaporation rate.

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